Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/04/2016 10:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124861	-1	1.47	124748	1.42
Blue	F	SSC	125000	123829	-1	3.41	124807	3.16
Blue	E	FITC	17224	16683	-4	2.47	943	7.94
Blue	D	PE	22462	21796	-3	2.10	985	7.25
Blue	B	PerCP-Cy5-5	63940	62759	-2	2.75	1661	11.77
Blue	A	PE-Cy7	72480	71674	-2	3.65	946	22.28
Red	C	APC	63778	63098	-2	2.36	3564	7.39
Red	A	APC-Cy7	97254	97103	-1	2.47	1926	7.27
Violet	B	V450	10730	10462	-3	3.23	648	7.21
Violet	A	V500	42147	40609	-4	2.83	2297	5.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20129	1.96	574	-46	N/A	N/A	Pass
Blue	F	SSC	61956	2.17	506	-21	N/A	N/A	Pass
Blue	E	FITC	102	31.65	512	-27	0.0322	58	Pass
Blue	D	PE	203	20.94	506	-26	0.2007	64	Pass
Blue	B	PerCP-Cy5-5	204	35.40	590	-24	0.0139	0	Pass
Blue	A	PE-Cy7	72	84.72	646	-27	0.0184	2	Pass
Red	C	APC	335	23.08	574	-10	0.0256	0	Pass
Red	A	APC-Cy7	122	34.03	557	-8	0.0057	544	Pass
Violet	B	V450	69	35.15	446	-28	0.0573	1331	Pass
Violet	A	V500	150	19.06	474	-29	0.0167	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-35.91	-35.76	0.72
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.15
Red	14.92	11.44 - 17.16	N/A	N/A	36.38	36.69	1.00

Window Extension: 7.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 15089

Fluidics

FACSFlow Pressure: 3.00 Sample Pressure: 2.80
Spec.: 2.90 - 3.10

Comments